

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Brent L. Carpenter                          Attorney Docket No.: 432081  
Application Serial No.: 10/535,329                          Art Unit: 2863  
Filed: 05/18/2005    Examiner: Bhat, Aditya S.  
Title: Systems and Methods for Measuring                  Confirmation No.: 5708  
a Material Property

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October 30, 2007

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE**

Applicant is responding to the Office Action mailed September 28, 2007.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.